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Attorney Docket No.: 23239-201NATL

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANTS: Breaker et al.

SERIAL NUMBER: 09/830,905

EXAMINER: Sean McGarry

FILING DATE: August 8, 2001

ART UNIT: 1635

FOR: MULTIDOMAIN POLYNUCLEOTIDE MOLECULAR SENSORS

**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Boston, Massachusetts  
September 29, 2004

**RESPONSE AND AMENDMENT**

This Response and Amendment is submitted in response to the Office Action mailed April 2, 2004 in the above-identified patent application. With a three month extension, this response is due on or before October 2, 2004. Submitted herewith is a Petition for a Three Month Extension of Time, along with the appropriate fee under 37 C.F.R. §1.17(a). Applicants believe no additional fees are due in connection with this filing. However, the Commissioner is hereby authorized to charge any additional fees that may be due, or credit any overpayment of same, to Deposit Account No. 50-0311, Reference No. 23239-201 NATL.

Please amend the above-identified application as follows:

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 5 of this paper.